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Nota di contenuto	Support Areas Fluid Mechanics -- Support Areas -- Heat Transfer -- Fluid Mechanics and Momentum Transfer -- Heat Transfer -- Mass Transfer -- Chemical Reaction Engineering -- Design and Operation of Chemical Plants.
Sommario/riassunto	This book provides a clear and concise understanding of the principles and applications of HVACR using a rigorous, yet, easy to follow presentation. The coverage is broad, including relevant support areas such as fluid mechanics, heat transfer, thermodynamics, psychrometrics, with specific applications to HVACR design and calculations, and main topics such as air conditioning processes, cooling / heating load calculations, refrigeration cycles, and HVACR equipment and systems. The book integrates and illustrates the use of

data and information from ASHRAE Handbooks and Standards in step-by-step calculations of cooling and heating loads and other aspects of HVACR. Elucidation of the principles is further reinforced by examples and practice problems with detailed solutions. Firmly grounded in the fundamentals, the book maximizes readers' capacity to take on new problems and challenges in the field of HVACR with confidence and conviction. Providing a ready reference and review of essential principles and their applications in HVACR, the book is ideal for HVACR practitioners, undergraduate engineering students, and those specializing in HVACR, as well as for practicing engineers preparing for the engineering license exams (FE and PE) in USA and abroad. The book uses both Inch-Pound (I-P) and S I systems of units to facilitate global readership and use.
